03M09A31

AUTOTEST

LOGIC LEVEL CONVERTER MODULE

TYPE TK 7084

INSTRUCTION MANUAL

MARCONI INSTRUMENTS

Instruction Manual

for

Logic Level Converter Module

TK 7084

Marconi Instruments Ltd.
St. Albans Hertfordshire England.

1. DESCRIPTION

Logic Level Converter Module, TK 7084, provides a level changing interface between units using low level logic and those using high level logic. The unit is offered as an optional accessory for a number of Marconi Instruments Autotest programmable instruments, allowing them to be controlled from a low level source.

Diagram MZ 4105-001, sheet 1, shows the circuit for the unit. Low level inputs are applied to a fixed plug and these inputs are fed to three I. C. 's which provide 15 open collector outputs of up to 30 V. The outputs are applied to the Autotest instrument via a 14-way or 26-way socket depending on which instrument it is controlling. MZ 4105-001, sheet 2, shows how the unit output is connected to the Autotest instrument.

2. CHARACTERISTICS

LOGIC INPUTS : (STANDARD TTL)	'0' state: 0 to 0.8 V with current sinking capability of 2 mA.		
	'1' state: 2 V to 5.5 V.		
LOGIC OUTPUTS :	'0' state: $\leqslant$ 0.4 V sinking 16 mA and $\leqslant$ 0.7 V sinking 40 mA.		
	'1' state: Up to 30 V; output leakage of 250 μA max.		
POWER REQUIREMENTS :	+12 V to +18 V, d.c.		
MAX. POWER CONSUMPTION :	2 W.		
OPERATING TEMPERATURE RANGE :	0 to 60 ^{o}C.		
DIMENSIONS :	Height	Width	Depth
	32 mm (1.25 in)	63.5 mm (2.5 in)	127 mm (5 in)

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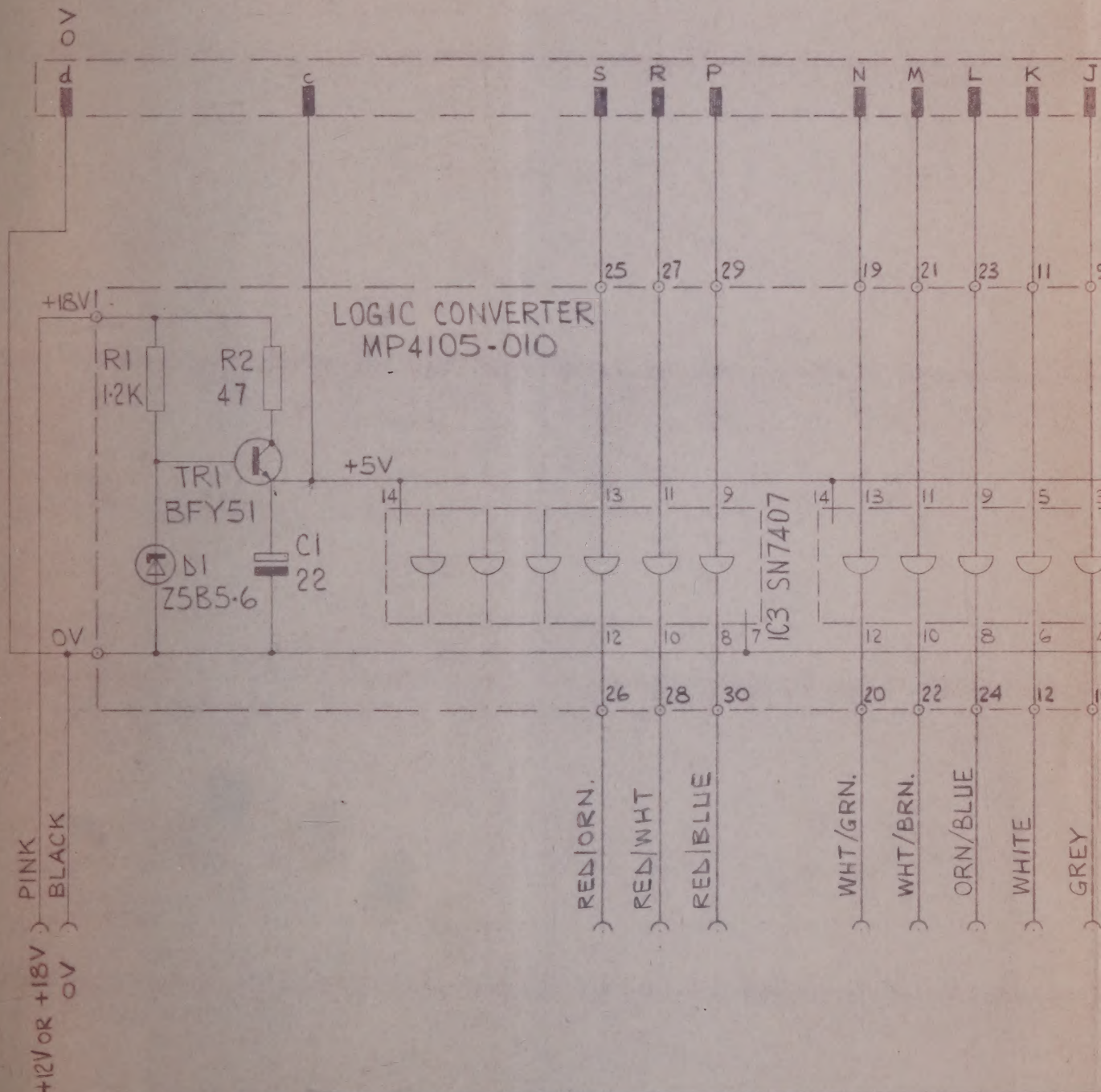


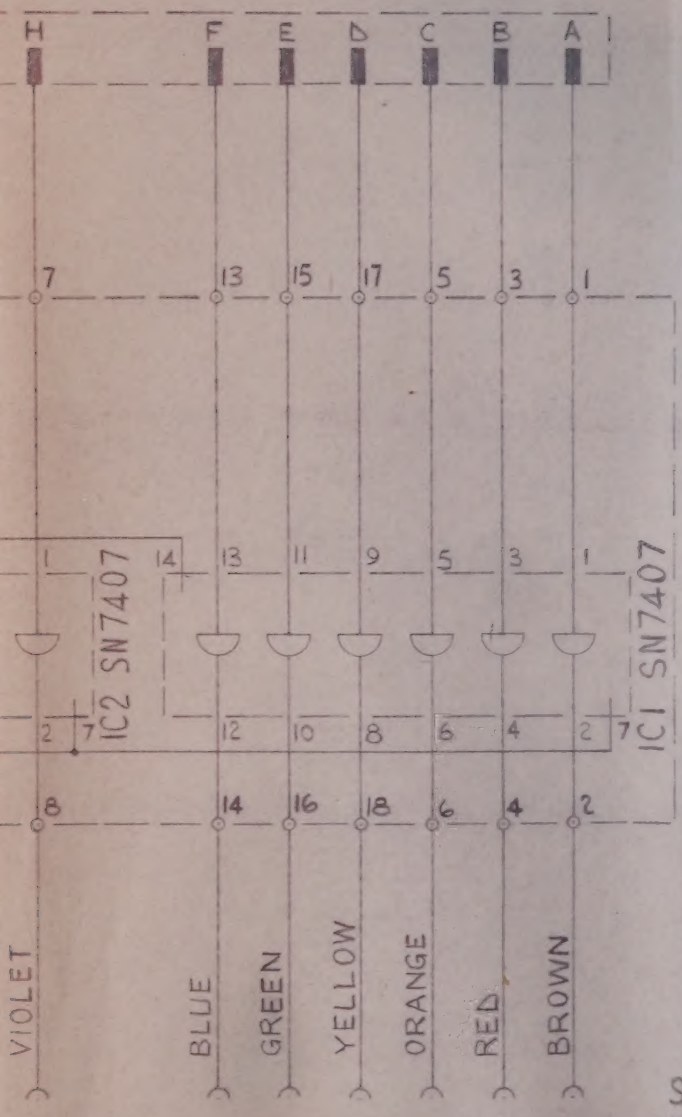
CH'KD. / /	DIMS. IN INS. M.M.	MATERIAL	FINISH	TOLERAN
		M.I. LTD SPEC.	M.I. LTD SPEC.	
TRACED / /	SCALE			
DRAWN 11/12/70 A.G. BRISTOW	APP'D. / /			

IS NOT TO BE DISCLOSED TO A THIRD PARTY WITHOUT WRITTEN AUTHORITY FROM THE COMPANY

FIRST USED
TK7084

NOTES
1 ALL WIRE TO BE 7/0076

Iss.	CHANGE
2	AGB 18-5-71 PIN. C. ADDED
3	NOTE 1 ADD. PC 1-11-71



SEE SHEET 2
FOR SOCKET PIN Nos.

CES UNLESS OTHERWISE STATED

TITLE
LOGIC LEVEL
CONVERTER MODULE

DRAWING NUMBER SH. 1 OF 2 SHTS.

MARCONI INSTRUMENTS LIMITED
ST. ALBANS ENGLAND

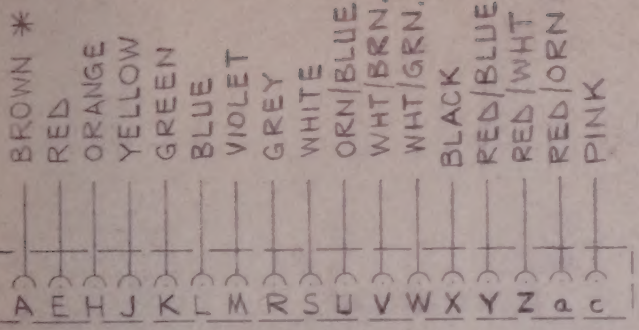
PRELIM. DWG. No.
MZ4105-001

THIRD ANGLE PROJECTION

ISO A 3

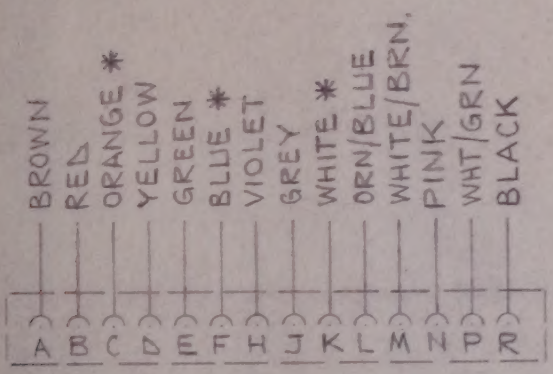
TK7084/1 (TF2165)

SEE NOTES



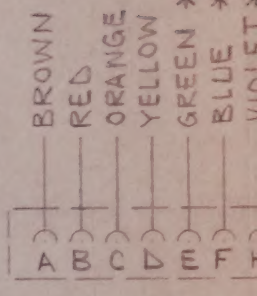
TK7084/2 (TF2168)

SEE NOTES



TK7084/5 (TF2607)

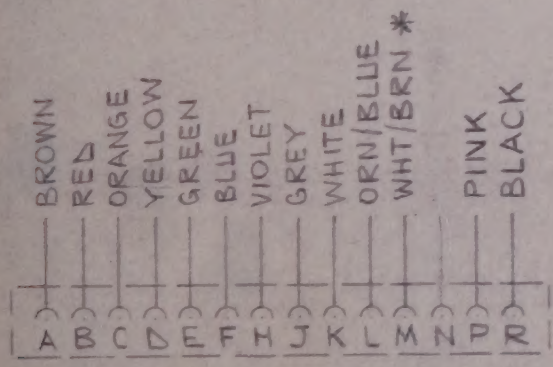
SEE NOTES



TK7084/3 (TF2301A) (TF2336)

CUT BACK WHT/GRN. LEAD & SLEEVE

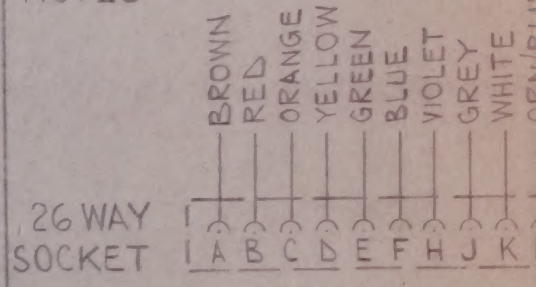
SEE NOTES



TK7084/6 (TF2301)

CUT BACK RD/ & SLEEVE

SEE NOTES



* CHANNEL NOT USED

ON 14 WAY SOCKETS RED & RED/ORN. LEADS TO BE INSULATED WITH HEAT SHR

CH'KD. / /	DIMS. IN ~~INS.~~ M.M.	MATERIAL	FINISH	TOLERAN
		M.I. LTD SPEC.	M.I. LTD SPEC.	
TRACED / /	SCALE			
DRAWN 14/12/70 A.G BRISTOW	APP'D. / /			

IS NOT TO BE DISCLOSED TO A THIRD PARTY WITHOUT WRITTEN AUTHORITY FROM THE COMPANY

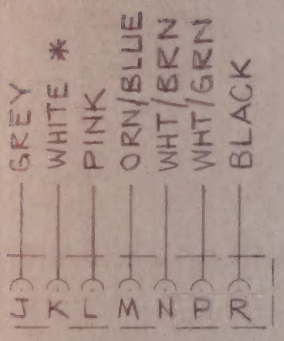
FIRST USED

NOTES

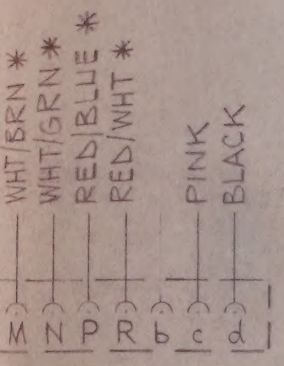
TK7084
SERIES

Iss.	CHANG
2	TK 708

DEL. TF 23
ADD TO TK 7
TK 7084/6
/ORANGE W
WHITE/GRN
2·11·71 PR



ORANGE. LEAD



BLUE, RED/WHT
UT BACK &
NK SLEEVE

ENSURE THAT +12V OR +18V IS BEING SUPPLIED FROM 'PLA' ON INSTRUMENT. (i.e. TO MATE WITH PINK LEAD ON THIS SOCKET)

ES UNLESS OTHERWISE STATED

TITLE SOCKET WIRING FOR LOGIC LEVEL CONVERTER MODULE

DRAWING NUMBER SH. 2 OF 2 SHTS.

MARCONI INSTRUMENTS LIMITED
ST. ALBANS ENGLAND

PRELIM. DWG. No. 42405-001

THIRD ANGLE PROJECTION

ISO A 3

MARCONI INSTRUMENTS LIMITED

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